

Emergency Support Function #1 – Transportation

ESF Coordinator:

Tucson Department of Transportation

Support Agencies:

General Services Department
Fleet Services
Parks and Recreation Department
Tucson Police Department
Police Assist Group
Tucson Water Department
Americans With Disabilities Office
Area School Districts
Arizona Department of Transportation
Pima Association of Governments (PAG)
Tucson International Airport
Union Pacific Railroad
Pima County Department of Transportation

Primary Agency:

Tucson Department of Transportation

Purpose

Emergency Support Function (ESF) #1 – Transportation supports the Emergency Management Function (ESF #5), assisting local, regional, state, and federal agencies; private sector entities; and voluntary organizations requiring transportation for an actual or potential Incident of Local or Regional Significance. Through the Department of Transportation's (DOT) coordination role, ESF #1 identifies the responsibility for the roles of preparedness, response, recovery, and mitigation/prevention, as well as infrastructure restoration, safety, and security of the City and its transportation system.

Scope

ESF #1 is designed to provide transportation support to assist in incident management. Activities within the scope of ESF #1 functions include:

- Process and coordinate requests for transportation support as directed under the City of Tucson Emergency Operations Plan (EOP)
- Report damage to transportation infrastructure as a result of the incident
- Coordinate alternate transportation services
- Coordinate the restoration and recovery of the transportation infrastructure
- Coordinate and support prevention/preparedness/mitigation among transportation infrastructure stakeholders at the local, regional, and state levels

Situation

Emergency/Disaster Conditions and Hazards

The City of Tucson will periodically experience emergency and disaster situations that require restoration of essential public services. Roadways, bridges, and other transportation facilities and structures may be weakened or destroyed necessitating repair, reinforcement, or demolition to ensure safe operations. Personnel, equipment, and supply resources may be insufficient to meet demands. Additionally, equipment in the immediate event area may be inaccessible or damaged.

Planning Assumptions

- The local and regional transportation infrastructure will sustain damage. Disaster response and recovery activities that require use of the transportation network may be difficult to coordinate.
- Access to the event area may be dependent upon the reestablishment of ground routes. Clearing of access routes will permit a sustained flow of emergency relief efforts.
- Rapid assessment of the event area will be made to determine critical response time and potential workload. Significant numbers of personnel with engineering and construction skills and construction equipment may not be available within the event area.
- The immediate use of the transportation system for response and recovery activities may exceed the capabilities of the City of Tucson, thus requiring assistance from the county, regional, state, or federal governments to supplement efforts.
- The Tucson Department of Transportation is responsible for the inspection, repair and operation of City-owned facilities and for those facilities for which the City has contractual maintenance agreements.
- Previously inspected structures may require re-evaluation if subsequent events occur after the initial event.
- Normal means of communications may not be available and repairs to communications networks could take days, weeks, or months. In these situations, non-traditional means of communication must be established and used.
- Critical TDOT facilities will have to be self-sufficient for at least three days.
- Because government agencies may be overwhelmed by a disaster, on duty employees may be on their own for the first hours or even days after an event. TDOT will support the efforts of employees to communicate with their families and return home as needed.

Concept of Operations

General

- ESF #1 provides a structure for managing and coordinating the complex operations of the transportation system. This includes deployment of resources into and out of the incident area and the coordination of transportation recovery, restoration, and safety/security. ESF #1 also provides a means of facilitating or restricting the movement of personnel and goods as necessary.
- Communications are established and maintained with ESF #5 – Emergency Management (to report and receive assessments and status information), and with ESF #7 – Logistics Management & Resource Support.
- Department resources may be utilized to provide support for incidents occurring outside the City limits, when directed by the City Manager or Mayor.

Comprehensive Emergency Management

Preparedness

ESF #1 primary and support agencies are responsible for ensuring that the following preparedness items are fully addressed:

- Review and revise their Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs) annually
- Establish procedures for alerting their own personnel and other key employees in an Incident of Local or Regional Significance
- Update equipment and resource listings on an annual or more frequent basis, and distribute them appropriately
- Revise mutual aid agreements as needed
- Train employees on specific ESF functions
- Develop interests and partnerships with businesses and transportation support agencies
- Regularly attend scheduled tabletop exercises and all other applicable training events
- Review and analyze lessons learned in emergency/disaster incidents that have occurred elsewhere, and make appropriate corrections/additions to their respective SOPs/SOGs and this ESF

Response

ESF #1 primary and support agencies are responsible for ensuring that the following response items are fully addressed:

- Establish and maintain contact with the Incident Commander and/or appropriate Emergency Operations Center (EOC) for instructions
- Determine operational capacity of streets, roads, and bridges
- Maintain ongoing information exchange with ESF #5
- Maintain complete and accurate documentation of all related costs, actions, and communications

Recovery

ESF #1 primary and support agencies are responsible for ensuring that the following recovery items are fully addressed:

- Consult with ESF #5 and ESF #14 regarding needed recovery strategy
- Restore and temporarily repair critical City of Tucson transportation facilities and systems, including transit, and roads and bridges
- Continue to assess and track losses of equipment and personnel, develop estimates of monetary loss, and identify possible funding sources
- Assess the need for critical incident stress management for personnel

Mitigation/Prevention

- Conduct threat, risk and vulnerability assessments of key ESF infrastructure
- Review and analyze lessons learned in emergency/disaster incidents that have occurred elsewhere, and make changes where applicable
- Reconstruct damaged or destroyed facilities and mitigate deficiencies where appropriate.
- Replace equipment, vehicles and/or personnel

Responsibilities

Primary Agency: Tucson Department of Transportation (TDOT)

TDOT is responsible for ensuring that transportation functions and operations are protected and reconstituted as soon as possible following an Incident of Local or Regional Significance. Specific responsibilities are as follows:

- Coordinate the provision of transportation services in support of local, regional, and state governmental entities; private sector; and voluntary organizations.
- Coordinate the recovery, restoration, and safety/security of the transportation infrastructure. Provide trained personnel to staff ESF #1 responsibilities at the EOC, or any other temporary facility in the impacted region.
- Manage the financial aspects of the ESF #1 response, including the funding of mission assignments and/or reimbursable agreements.
- Work with regional and state transportation departments and industry partners to assess the damage to the transportation infrastructure and analyze the impact of the incident on regional transportation operations, and report promptly as changes occur.
- Coordinate and implement, as required, emergency-related response and recovery functions performed under TDOT statutory authorities, including:
 - damage assessment, and;
 - safety and security related actions concerning movement restrictions, closures, quarantines, and evacuations.
- Provide technical assistance to local, regional and state governmental entities in evacuation or movement restriction planning. This includes determining the most viable transportation networks to, from, and within the incident area, as well as alternate means to move people and goods within the area affected by the incident.

Support Agencies

Agency	Functions
General Services Department	Fleet Services Division <ul style="list-style-type: none"> • Provide vehicle and equipment preventive maintenance and repair services • Administer fuel operations • Manage vehicle/equipment acquisition, preparation, and disposal • Operate the City motor pool
Parks and Recreation Department	<ul style="list-style-type: none"> • Provide personnel, vehicles and equipment for debris management, and or infrastructure repair/rebuilding
Tucson Police Department	<ul style="list-style-type: none"> • Assist with traffic control issues • Provide air assets (fixed wing or helicopter) for reconnaissance, as needed and as capable Police Assist Group (PAG) <ul style="list-style-type: none"> • Provide trained volunteers to assist with traffic control issues
Tucson Water Department	<ul style="list-style-type: none"> • Provide “arrow board” vehicles to assist with rerouting traffic • Provide personnel and heavy equipment for debris management, and/or infrastructure repair/rebuilding
Americans With Disabilities Office	<ul style="list-style-type: none"> • Provide support for disabled/special needs individuals
Area School Districts	<ul style="list-style-type: none"> • As available, provide personnel and buses for transportation and/or evacuation needs • Provide vehicle mechanic/maintenance personnel
Arizona Department of Transportation	<ul style="list-style-type: none"> • Coordinate the provision of transportation services in support of the state; private sector; and voluntary organizations
Pima Association of Governments	<ul style="list-style-type: none"> • Provide accurate, credible regional transportation information to decision-makers • Provide population statistics and projections
Tucson International Airport	<ul style="list-style-type: none"> • Serve as the coordinator for all air travel and air cargo information
Union Pacific Railroad	<ul style="list-style-type: none"> • Serve as the coordinator for all rail information
Pima County Department of Transportation	<ul style="list-style-type: none"> • Coordinate the provision of transportation services in support of Pima County; private sector; and voluntary organizations